

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-3: Flammability-0; Reactivity-0; Special			HHIS Rating: Health-3: Flammability-0; Reactivity-0; Personal Protection - B			
Manufacturer's Name: Solutions USA Address: 139 Altama Connector # 417 Brunswick, Ga 31525			DOT Hazard Classification: Corrosive Material, 8 Identity (trade name as used on label): Coil EZ #2			
Date Prepared: 06/01/93 Prepared By: ES			MSDS Number:			
Information Calls: 912-554-3700			NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III List	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
Hydrochloric Acid		7647-01-0	YES	TWA 5 PPM	1 mg/m3	d
* Indicates hazardous ingredients which are toxic chemicals subject to the reporting requirements of Section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 215oF		Specific Gravity (Water)=1): 1.03				
Vapor Pressure: PSIG @ 46 N/A		Melting Point: Not Applicable				
Vapor Density (Air = 1): .88		Evaporation Rate (Butyl Alcohol = 1): slower				
Solubility in Water : Complete		pH of Concentrate: 1.5 - 2.5				
Appearance and Odor: Yellow Solution, Acrid Odor						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST Non-flammable		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A		
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible			SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool			
EXTINGUISHER MEDIA: Water Spray						
Unusual Fire & Explosion Hazards: None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY (X) STABLE () UNSTABLE			HAZARDOUS POLYMERIZATION () WILL (X) WILL NOT OCCUR			
Incompatibility Mat. to avoid Bases, Metals, Mercuric Sulfate, perchloric acid			Conditions to Avoid: None			
Hazardous Decomposition Products: Phosphorous pentoxide, oxides of carbon, organic compounds						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: () INHALATION () INGESTION (X) SKIN ABSORPTION (X) EYE () NOT HAZARDOUS						
ACUTE EFFECTS: Corrosive Material, May Cause Severe Irritation of Skin and Eyes. Harmful if swallowed						
Inhalation: Unlikely						
Eye Contact: May Cause Severe Irritation of Eyes			Skin Contact: May Cause Severe Irritation of Skin			
Ingestion:						
CHRONIC EFFECTS: None Known						
Medical Conditions Generally Aggravated by Exposure: None Known						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. Get medical attention if irritation persists						
Skin Contact: Remove contaminated clothing. Wash with soap and water.						
Inhalation: Not likely. Flush nasal passages with water. If irritation develops, contact medical authorities.						
Ingestion: DO NOT INDUCE VOMITING. drink 3 to 4 glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required under normal conditions of storage and use.						
Protective Gloves: Rubber			Eye Protection: Glasses or goggles			
Ventilation Requirements: Do not spray in confined area. Do not breath mist.						
Other Protective Clothing & Equipment: As required to prevent skin contact						
Hygienic work Practices: Wash hands after use.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material is Spilled Or Released : Wipe, mop, or flush with water. Soak up with absorbent material.						
Waste Disposal Methods: Neutralize with soda ash or sodium bicarbonate. Flush with water.						
Precautions To Be Taken In Handling & Storage: Store in dry area. Keep container closed						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen, (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only